# Assignment-3

- Q1) Answer= (d) Collinearity
- Q2) Answer= (b) Random Forest
- Q3) Answer= (c) Decision Tree are prone to overfit
- Q4) Answer= (c) Training Data
- Q5) Answer= (c) Anomaly Detection
- Q6) Answer= (c) Case Based
- Q7) Answer= (d) Both a and b
- Q8) Answer= (c) Both a and b
- Q9) Answer= (c) 3
- Q10) Answer= (a) PCA
- Q11) Answer= (c) Neither feature nor number of groups is known
- Q12) Answer= (b) SVG
- Q13) Answer= (b) Underfitting
- Q14) Answer= (a) Reinforcement Learning

- Q15) Answer= (b) Mean squared error
- Q16) Answer= (c) Non linear, Binary
- Q17) Answer= (a) Supervised Learning
- Q18) Answer= (c) Both a and b
- Q19) Answer= (b) Removing columns which have too many missing values
- Q20) Answer= (c) Input attribute
- Q21) Answer= (a) SVM allows very low error in classification
- Q22) Answer= (b) Only 2
- Q23) Answer= (a) -(6/10 log(6/10) + 4/10 log(4/10))  (10 actual values)
- Q24) Answer= (a) weights are regularized with the L1 norm
- Q25) Answer= (b) Logistic regression and Gaussian discriminant analysis
- Q26) Answer= (b) Either 2 or 3
- Q27) Answer= (b) increase by 5 pound
- Q28) Answer= (d) Minimize the squared distance from the points
- Q29) Answer= (b) As the value of one attribute increases the value of the second attribute also increases
- Q30) Answer= (b) Convolutional Neural Network